

ABSTRACT

A capacitance charge device with adjustable clamping voltage is disclosed in the invention, which includes a high-farad capacitance and a power supply device for charging to the high-farad capacitance. In addition, 5 a switch device is connected between the power supply device and the capacitance, and through the on/off operations of the switch device, the on/off conductions between the power supply device and the capacitance can be controlled. Besides, a clamping circuit is connected between the switch device and the capacitance and also connected to the output terminal of the 10 power supply device. In addition, the clamping circuit has a clamping voltage, which can be compared with the actual voltage so as to control the on/off operations of the switch device and in turn control the on/off conductions between the power supply device and the capacitance. In addition, the invention can constrain the battery voltage in the clamping 15 voltage of the clamping circuit. By doing so, the system can be ensured not to be down because of a sudden tremendous voltage drop of the battery, and the clamping voltage is adjustable according to the variations in product design.